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1449 (Modified) FORM PTO LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet _1_ of _9_

In the Application of Wolffe and Collingwood

Serial No.: 09/844,508

Art Unit: 1645

Filed: April 27, 2001

Examiner: unassigned

Title: TARGETED MODIFICATION OF CHROMATIN STRUCTURE

U.S. PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Date	Name	Class	Sub Class	Filing Date
65	AA-1	5,972,608	October 26, 1999	Peterson et al.			

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Exam. Init.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub Class	Translation YES NO
25	AB-1	WO 95/09233	April 6, 1995	РСТ	1	1	
B	AC-1	WO 97/11972	April 3, 1997	РСТ	1		
M	AD-1	WO 00/23464	April 27, 2000	PCT			
1	AE-1	WO 00/41566	July 20, 2000	РСТ			
6	AF-1	WO 00/42219	July 20, 2000	PCT			
11	AG-1	WO 01/52620	July 26, 2001	PCT			
3	AH-1	WO 01/59094	August 16, 2001	РСТ			
B	Al-1	WO 01/68807	September 20, 2001	РСТ			

OTHER DOCUMENTS (including Author, Titl	le, Date, Pertinent Pages, etc.)
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Date Considered: 3-6-03



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In the Application of Wolffe and Collingwood

Serial No.: 09/844,508

Art Unit: 1645

Filed: April 27, 2001

Examiner: unassigned

Title: TARGETED MODIFICATION OF CHROMATIN STRUCTURE

Exam. Init.	Ref. Desig.	Description
4	AJ-1	Ahringer, "NuRD and SIN 3 Histone Deacetylase Complexes in Development," <i>Trends in Genetics</i> <u>16</u> :351-356 (2000)
Sy	AK-1	Bergel et al., "Structural and Functional Definition of the Human Chitinase Chitin-binding Domain," <i>Journal of Biological Chemistry</i> 275(1):514-520 (2000)
M	AL-1	Bird et al., "Methylation-Induced Repression-Belts, Braces, and Chromatin," <i>Cell</i> <u>99</u> :451-454 (1999)
M	AM-1	Bochar et al., "A Family of Chromatin Remodeling Factors Related Williams Syndrome Transcription Factor," <i>Proc. Natl. Acad. Sci. U.S.A.</i> <u>97</u> :1038-1043 (2000)
4	AN-1	Boyes et al., "Regulation of Activity of the Transcription Factor GATA-1 by Acetylation," <i>Nature</i> 396:594-598 (1998)
1	AO-1	Cairns et al., "Two Functionally Distinct Forms of the RSC Nucleosome-Remodeling Complex, Containing Essential AT Hook, BAH, and Bromodomains," <i>Molecular Cell</i> 4:715-723 (1999)
m	AP-1	Cairns, B.R., "Chromatin Remodeling Machines: Similar Motors, Ulterior Motives," Trends Biochem. Sci. 23:20-25 (1998)
M	AQ-1	Chen et al., "Regulation of Transcription by a Protein Methyltransferase," <i>Science</i> <u>284</u> :2174-2177 (1999)
M	AR-1	de La Serna et al., "Mammalian SWI-SNF Complexes Contribute to Activation of the hsp 70 Gene," Mol. Cell Biol. 20:2839-2851 (2000)
4	AS-1	Devine et al., "After Chromatin is SWItched-on Can it be RUSHed?," <i>Molecular and Cellular Endocrinology</i> 151(1-2):49-56 (1999)

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In the Application of Wolffe and Collingwood

Serial No.: 09/844,508

Art Unit: 1645

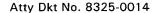
Filed: April 27, 2001

Examiner: unassigned

Title: TARGETED MODIFICATION OF CHROMATIN STRUCTURE

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as	AU-1	Fryer et al., "Chromatin Remodelling by the Glucocorticoid Receptor Requires the BRG 1 Complex," <i>Nature</i> 393:88-91 (1998)
19	AV-1	Grunstein, M., "Histone Acetylation in Chromatin Structure and Transcription," <i>Nature</i> 389:349-352 (1997)
9	AW-1	Gu et al., "Activation of p53 Sequence-Specific DNA Binding by Acetylation of the p53-C-Terminal Domain," <i>Cell</i> <u>90</u> :595-606 (1997)
Ŋ	AX-1	Guschin et al., "ATP-Dependent Histone Octamer Mobilization and Histone Deacetylation Mediated by the Mi-2 Chromatin Remodeling Complex," <i>Biochemistry</i> 39:5238-5245 (2000)
M	AY-1	Hartzog et al., "Nucleosomes and Transcription: Recent Lessons from Genetics," <i>Curr. Opin. Genet. Devel.</i> <u>7</u> :192-198 (1997)
A	AZ-1	Herrera et al., "Specific Acetylation of Chromosomal Protein HMG-17 by PCAF Alters Its Interaction with Nucleosomes," <i>Molecular and Cellular Biolology</i> 19(5):3466-3473 (1999)
	BA-1	Holstege et al., "Dissecting the Regulatory Circuitry of a Eukaryotic Genome," <i>Cell</i> <u>95</u> :717-728 (1998)
1	BB-1	Imhof et al., "Acetylation of General Transcription Factors by Histone Acetyltransferases," <i>Current Biology</i> 7:689-692 (1997)

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FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet 4 of 9

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Serial No.: 09/844,508

Art Unit: 1645

Filed: April 27, 2001

Examiner: unassigned

Title: TARGETED MODIFICATION OF CHROMATIN STRUCTURE

Exam. Init.	Ref. Desig.	Description
9	BC-1	Jacobson et al., "Structure and Function of a Human TAF 250 Double Bromodomain Module," <i>Science</i> 288:1422-1425 (2000)
A.	BD-1	Kadam et al., "Functional Selectivity of Recombinant Mammalian SWI/SNF Subunits," Genes & Development 14:2441-2451 (2000)
	BE-1	Kadonaga, J.T., "Eukaryotic Transcription: An Interlaced Network of Transcription Factors and Chromatin-Modifying Machines," <i>Cell</i> <u>92</u> :307-313 (1998)
1	BF-1	Kehle et al., "dMi-2, Hunchback-Interacting Protein that Functions in <i>Polycomb</i> Repression," <i>Science</i> 282:1897-1900 (1998)
M	BG-1	Kim et al., "Hybrid Restriction Enzymes: Zinc Finger Fusions to Fok I Cleavage Domain," PNAS <u>93</u> (3):1156-1160 (1996)
4	BH-1	Kingston et al., "ATP-Dependent Remodeling and Acetylation as Regulators of Chromatin Fluidity," <i>Genes & Development</i> 13:2339-2352 (1999)
1	BI-1	Klug,A., "Zinc Finger Peptides for the Regulation of Gene Expression," <i>J. Mol. Biol.</i> 293:215-218 (1999)
19	BJ-1	Knoepfler et al., "Sin Meets NuRD and Other Tails of Repression," <i>Cell</i> <u>99</u> :447-450 (1999)
19	BK-1	Kornberg et al., "Twenty-Five Years of the Nucleosome, Fundamental Particle of the Eukaryote Chromosome," <i>Cell</i> <u>98</u> :285-294 (1999)
19	BL-1	Kouzarides,T., "Histone Acetylases and Deacetylases in Cell Proliferation," <i>Current Opin. Genet. Devel.</i> <u>9</u> :40-48 (1999)

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FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet _5_ of _9_

In the Application of Wolffe and Collingwood

Serial No.: 09/844,508

Art Unit: 1645

Filed: April 27, 2001

Examiner: unassigned

Title: TARGETED MODIFICATION OF CHROMATIN STRUCTURE

Exam. Init.	Ref. Desig.	Description
M	BM-1	Kuo et al., "Roles of Histone Acetyltransferases and Deacetylases in Gene Regulation," <i>BioEssays</i> 20:615-626 (1998)
19	BN-1	Laurent et al., "Functional Interdependence of the Yeast SNF2, SNF5, and SNF6 Proteins in Transcriptional Activation," <i>PNAS</i> 88:2687-2691 (1991)
4	BO-1	LeRoy et al., "Requirement of RSF and FACT for Transcription of Chromatin Templates in Vitro," Science 282:1900-1904 (1998)
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1	BQ-1	Miller et al., "Repetitve Zinc-Binding Domains in the Protein Transcription Factor IIIA From <i>Xenopus</i> Oocytes," <i>EMBO J.</i> <u>4</u> :1609-1614 (1985)
-1	BR-1	Mizzen et al., "Linking Histone Acetylation to Transcriptional Regulation," <i>Cellular and Molecular Life Sciences</i> <u>54</u> :6-20 (1998)
1	BS-1	Munshi et al., "Acetylation of HMG I(Y) by CBP Turns Off IFN β Expression by Disrupting the Enhanceosome," <i>Molecular Cell</i> 2:457-467 (1998)
1	BT-1	Muchardt et al., "A Human Homologue of Saccharomyces cerevisiae <i>SNF2/SW12</i> and <i>Drosophila</i> brm Genes Potentiates Transcriptional Activation by the Glucocoticoid Receptor," <i>EMBO Journal</i> 12:4279-4290 (1993)
1	BU-1	Muchardt et al., "ATP-Dependent Chromatin Remodelling: SWI/SNF and Co. are on the Job," <i>Journal of Molecular Biology</i> 293:187-198 (1999)

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FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet <u>6</u> of <u>9</u>

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Serial No.: 09/844,508

Art Unit: 1645

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Examiner: unassigned

Title: TARGETED MODIFICATION OF CHROMATIN STRUCTURE

Exam. Init.	Ref. Desig.	Description
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11	BW-1	Näär et al., "Composite Co-Activator ARC Mediates Chromatin-Directed Transcriptional Activation," <i>Nature</i> 398:828-832 (1999)
M	BX-1	Neely et al., "Activation Domain-Mediated Trargeting of the SWI/SNF Complex to Promoters Stimulates Transcription from Nucleosome Arrays," <i>Molecular Cell</i> 4:649-655 (1999)
1	BY-1	Ng et al., "Histone Deacetylases: Silencers for Hire," <i>Trends Biochem</i> . Sci. <u>25</u> :121-126 (2000)
1	BZ-1	Pazin et al., "ATP-Dependent Nucleosome Reconfiguration and Transcriptional Activation from Preassembled Chromatin Templates," <i>Science</i> 266:2007-2011 (1994)
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19	CB-1	Peterson et al., "Recruitment of Chromatin Remodeling Machines," <i>Journal of Cellular Biochemistry</i> 78:179-185 (2000);
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FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet 7 of 9

In the Application of Wolffe and Collingwood

Serial No.: 09/844,508

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Filed: April 27, 2001

Examiner: unassigned

Title: TARGETED MODIFICATION OF CHROMATIN STRUCTURE

Exam. Init.	Ref. Desig.	Description
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	CF-1	Rhodes et al., "Zinc Fingers," Scientific American 268(2):56-65 (1993)
M	CG-1	Roth et al, "Histone Acetylation and Chromatin Assembly: A Single Escort, Multiple Dances?," <i>Cell</i> <u>87</u> :5-8 (1996)
1	CH-1	Sassone-Corsi et al., "Requirement of Rsk-2 for Epidermal Growth Factor-Activated Phosphorylation of Histone H3," <i>Science</i> 285:886-891 (1999)
11)	CI-1	Schultz et al., "Targeting Histone Deacetylase Complexes Via KRAB-Zinc Finger Proteins: The PHD and Bromodomains of KAP-1 Form a Cooperative Unit That Recruits a Novel Isoform of the Mi-2α Subunit of NuRD," <i>Genes & Development</i> 15:428-443 (2001)
.1	CJ-1	Sterner et al., "Studies of Acetylation and Deacetylation in High Mobility Group Proteins," <i>The Journal of Biological Chemistry</i> <u>256</u> (17):8892-8895 (1981)
2	CK-1	Sterner et al., "Acetylation of Histones and Transcription-Related Factors," Microbiology and Molecular Biology Review 64(2):435-459 (2000)
B	CL-1	Strahl et al., "The Language of Covalent Histone Modifications," <i>Nature</i> 403:41-45 (2000)
4	CM-1	Struhl, "Histone Acetylation and Transcriptional Regulatory Mechanisms," <i>Genes Dev.</i> <u>12</u> :599-606 (1998)
12	CN-1	Sudarsanam et al., "Whole-Genome Expression Analysis of <i>snf/swi</i> Mutants of Saccaromyces Cerevisiae," <i>Proc. Natl. Acad. Sci. U.S.A.</i> <u>97</u> :3364-3369 (2000)

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FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet 8 of 9

In the Application of Wolffe and Collingwood

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Examiner: unassigned

Title: TARGETED MODIFICATION OF CHROMATIN STRUCTURE

Exam. Init.	Ref. Desig.	Description
21	CO-1	Sudarsanam et al., "The Swi/Snf Family Nucleosome-Remodeling Complexes and Transcriptional Control," <i>Trends in Genetics</i> <u>16</u> :345-351 (2000)
N	CP-1	Tsukiyama et al., "Purification and Properties of an ATP-Dependent Nucleosome Remodeling Factor," <i>Cell</i> 83:1011-1020 (1995)
M	CQ-1	Tsukiyama et al., "Characterization of the Imitation Switch Subfamily of ATP-Dependent Chromatin-Remodeling Factors in <i>Saccharomyces cerevisiae</i> ," <i>Genes Dev.</i> 13:686-697 (1999)
M	CR-1	Tyler et al., "The "Dark Side" of Chromatin Remodeling: Repressive Effects on Transcription," <i>Cell</i> <u>99</u> :443-446 (1999)
M	CS-1	Van Steensel et al., "Identification of <i>In Vivo</i> DNA Targets of Chromatin Proteins Using Tethered Dam Methyltransferase," <i>Nature Biotechnology</i> <u>18</u> :424-428 (2000)
1	CT-1	Varga Weisz et al., "Energy-Dependent Chromatin Accessiblity and Nucleosome Mobility in a Cell-Free System," <i>EMBO J.</i> <u>14</u> (10):2209-2216 (1995)
M	CU-1	Varga Weisz et al., "Chromatin-Remodelling Factor CHRAC Contains the ATPases ISWI and Topoisomerase II," <i>Nature</i> . 388:598-602 (1997)
B	CV-1	Wade et al., "Histone Acetylation: Chromatin in Action," <i>Trends Biochem Sci</i> 22:128-132 (1997)
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(Use several sheets if necessary)
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In the Application of Wolffe and Collingwood

Serial No.: 09/844,508

Art Unit: 1645

Filed: April 27, 2001

Examiner: unassigned

Title: TARGETED MODIFICATION OF CHROMATIN STRUCTURE

Exam. Init.	Ref. Desig.	Description
B	CX-1	Wolffe et al., "Review: Chromatin Structural Features and Targets That Regulate Transcription," <i>Journal of Structural Biology</i> 129:102-122 (2000)
n	CY-1	Wolffe et al., "Co-Repressor Complexes and Remodeling Chromatin for Repression," Biochemical Society Transactions 28(4):379-386 (2000)
4	CZ-1	Wolffe et al., "Targeting Chromatin Disruption Transcription Regulators That Acetylate Histones," <i>Cell</i> 84:817-819 (1996)
9	DA-1	Wong et al., "Determinants of Chromatin Disruption and Transcriptional Regulation Instigated by the Thyroid Hormone Receptor: Hormone-Regulated Chromatin Disruption is Not Sufficient for Transcriptional Activation," <i>EMBO Journal</i> 16(11):3158-3171 (1997)
4	DB-1	Workman et al., "Alteration of Nucleosome Structure as a Mechanism of Transcriptional Regulation," <i>Ann. Rev. Biochem.</i> 67:545-579 (1998)
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3	DD-1	Yoshinaga et al., "Roles of SWI1, SWI2, and SWI3 Proteins for Transcriptional Enhancement by Steroid Receptors," <i>Science</i> 258:1598-1604 (1992)

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Date Considered:

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In th Application of Wolffe and Collingwood

Serial N .: 09/844,508

Filed: April 27, 2001

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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